

0300 2/10 1.4  
0420

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/995,938

Source: OIPE

Date Processed by STIC: 12/6/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09/995,938

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>      Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

## RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/995,938

TIME: 15:29:29

Input Set : A:\SALKINS.046A.TXT

Output Set: N:\CRF3\12062001\I995938.raw

*pp 1-5*  
Does Not Comply  
Corrected Diskette Needed

4 <110> APPLICANT: JOANNE CHORY AND ZHIYONG WANG  
6 <120> TITLE OF INVENTION: GENES INVOLVED IN BRASSINOSTEROID  
7 HORMONE ACTION IN PLANTS  
9 <130> FILE REFERENCE: SALKINS.046A

*OK* 11 <140> CURRENT APPLICATION NUMBER: US/09/995,938

11 <141> CURRENT FILING DATE: 2001-11-27

11 <160> NUMBER OF SEQ ID NOS: 14

13 <170> SOFTWARE: FastSEQ for Windows Version 4.0

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 2687

17 <212> TYPE: DNA

18 <213> ORGANISM: NUCLEIC ACID

20 <400> SEQUENCE: 1

*invalid*  
*see item 10 on Error Summary sheet*

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## RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/995,938

TIME: 15:29:29

Input Set : A:\SALKINS.046A.TXT

Output Set: N:\CRF3\12062001\I995938.raw

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57 gaatgtgatg agtctgactc ttccactggt gattctggtc attggataag ctttcagaag 2220
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59 gtgaaacctg cgcctcagca gatgtctcca aatactgctg ccttccaaga gattgggtcaa 2340
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70 <213> ORGANISM: NUCLEIC ACID same env
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75 aaaataaacg tcataatcca aaaatattac atgatcatac atcatatatg ccgccgaacc 180
76 ttgttatggg acaaactcgt aaaccctttt ttctttttat gttcaatgaa ctatacaagt 240
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DATE: 12/06/2001

PATENT APPLICATION: US/09/995,938

TIME: 15:29:29

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Output Set: N:\CRF3\12062001\I995938.raw

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127 ttcaagaaaa acatcaagtg gaagaaataa taaacaaaaa ccacgcaac aaaatgcata 180
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/995,938

DATE: 12/06/2001

TIME: 15:29:29

Input Set : A:\SALKINS.046A.TXT

Output Set: N:\CRF3\12062001\I995938.raw

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180 &lt;213&gt; ORGANISM: NUCLEIC ACID

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194 aacatgtcct ctacattctt ccctttcttc agaaatggtg gcattccttc ttctcttctt 720
195 tccctcagaa tctcaaacag ttgtccagtt accccaccgg tctcatcgcc gacttctaag 780
196 aaccggaaac cgttgcttaa ctgggaatct atcgctaagc aatccatggc cattgctaaa 840
197 caatcaatgg cgtcttttaa ttatcctttc tatgcggttt ctgcacctgc tagtccgaca 900
198 catcgccacc agtttcatac cccggctact atacctgaat gtgatgagtc tgactcttcc 960
199 actgttgatt ctggtcattg gataagcttt cagaagtttg cacaacaaca gccattctct 1020
200 gcctctatgg tgccaacctc tctacacctc aatcttgtga aacctgcgcc tcagcagatg 1080
201 tctccaaata ctgctgctt ccaagagatt ggtcaaagct ctgagtttaa atttgagaat 1140
202 agccaagtta aacctgggga aggagagagg atacatgatg tgggtatgga ggaatttag 1200
203 cttacacttg gaaatgggaa ggctcgtggt tgacataaac aactaggcaa acccaaattg 1260
204 catgtcattg gaatatgaga aactaatcct cttgagtatt ttcttcttcg tccaggtatt 1320
205 tggatcttta tggaatctca tatgttcttc acttattatc caaatatgct gcccaaagcc 1380
206 ttctccatgg aagcattgga gtgttagagt ggttattcaa ttcatgaatt tgggtttcaa 1440
207 agcattattt gtagat 1456
209 <210> SEQ ID NO: 5

```

## RAW SEQUENCE LISTING

DATE: 12/06/2001

PATENT APPLICATION: US/09/995,938

TIME: 15:29:29

Input Set : A:\SALKINS.046A.TXT

Output Set: N:\CRF3\12062001\I995938.raw

210 <211> LENGTH: 1456  
 211 <212> TYPE: DNA  
 212 <213> ORGANISM: NUCLEIC ACID  
 214 <400> SEQUENCE: 5  
 215 gacccaattt ttacattaga tgaaaaaat attattattt gttggagaag aaagagagat 60  
 216 tcttcttctt cgattccagc gaaggaaaag cgtattcctc gtgagcacta acttctcact 120  
 217 cctctcttct tcttcttcat cagtctacgt tcacacaatc tttcaccacac ctattcaaag 180  
 218 ctctctccgg aagtttcgag gggtttggtt ttggttttcc cgatgacttc ggatggagct 240  
 219 acgtcgacat cagcagctgc agctgcggcg gcggcagcag cggcgaggag gaagccgtcg 300  
 220 tggagagaaa gggagaataa tcggaggaga gaaagacgga gaagagctgt agctgcgaag 360  
 221 atatacactg ggcttagagc tcaaggtgat tataatttgc ctaaaccattg tgataataat 420  
 222 gaagtcctta aagctctttg tgttgaagct ggttggttgg ttgaagaaga tgggtactact 480  
 223 tatcgcaagg gatgcaagcc ttacacctgg gagatagctg ggacttcacg tcgagtaact 540  
 224 ccatattcat cacagaacca gagccctctt tcatcagcct ttcaaagtcc catcccatct 600  
 225 taccaagtta gcccgctctt ttcattcatc ccgagtcctt ctgcggtga accaaataac 660  
 226 aacatgtcct ctacattctt ccctttcctc agaaatggtg gcattccttc ttctcttctt 720  
 227 tccctcagaa tctcaaacag ttgtccagtt accccaccgg tctcatcgcc gacttctaag 780  
 228 aacccgaaac cgttgcctaa ctgggaatct atcgctaagc aatccatggc cattgctaaa 840  
 229 caatcaatgg cgtcttttaa ttatcctttc tatgcggtt ctgcacctgc tagtccgaca 900  
 230 catcgccacc agtttcatac cctggctact atacctgaat gtgatgagtc tgactcttcc 960  
 231 actgttgatt ctggtcattg gataagcttt cagaagtttg cacaacaaca gccattctct 1020  
 232 gcctctatgg tgccaacctc tcctaccttc aatcttgtga aacctgcgcc tcagcagatg 1080  
 233 tctccaaata ctgctgcctt ccaagagatt ggtcaaagct ctgagtttaa atttgagaat 1140  
 234 agccaagtta aacctggga aggagagagg atacatgatg tgggtatgga ggatcttgag 1200  
 235 cttacacttg gaaatgggaa ggctcgtggt tgacataaac aactaggcaa acccaaatgg 1260  
 236 catgtcattg gaatatgaga aactaatcct cttagatttt ttcttcttcg tccaggtatt 1320  
 237 tggatcttta tggaatctca tatgttcttc acttattatc caaatatgct gcccaaagcc 1380  
 238 ttctccatgg aagcattgga gtgttagagt ggttattcaa ttcattgaatt tggtttcaaa 1440  
 239 agcattattt gtagat 1456  
 241 <210> SEQ ID NO: 6  
 242 <211> LENGTH: 336  
 243 <212> TYPE: PRT  
 244 <213> ORGANISM: AMINO ACID  
 246 <400> SEQUENCE: 6  
 247 Met Thr Ser Asp Gly Ala Thr Ser Thr Ser Ala Ala Ala Ala Ala Ala  
 248 1 5 10 15  
 249 Ala Ala Ala Ala Ala Arg Arg Lys Pro Ser Trp Arg Glu Arg Glu Asn  
 250 20 25 30  
 251 Asn Arg Arg Arg Glu Arg Arg Arg Arg Ala Val Ala Ala Lys Ile Tyr  
 252 35 40 45  
 253 Thr Gly Leu Arg Ala Gln Gly Asp Tyr Asn Leu Pro Lys His Cys Asp  
 254 50 55 60  
 255 Asn Asn Glu Val Leu Lys Ala Leu Cys Val Glu Ala Gly Trp Val Val  
 256 65 70 75 80  
 257 Glu Glu Asp Gly Thr Thr Tyr Arg Lys Gly Cys Lys Pro Leu Pro Gly  
 258 85 90 95  
 259 Glu Ile Ala Gly Thr Ser Ser Arg Val Thr Pro Tyr Ser Ser Gln Asn  
 260 100 105 110  
 261 Gln Ser Pro Leu Ser Ser Ala Phe Gln Ser Pro Ile Pro Ser Tyr Gln

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

DATE: 12/06/2001

PATENT APPLICATION: US/09/995,938

TIME: 15:29:30

Input Set : A:\SALKINS.046A.TXT

Output Set: N:\CRF3\12062001\I995938.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date